

Patent Claims

1. An electromotive direct drive for one cylinder (1)
of a printing press, which cylinder (1) is held in
5 a connecting construction (3) with a journal (2)
via a roller bearing (4), a rotor (6.1) of an
electric motor (6) being connected fixedly in
terms of rotation to the journal (2), and a stator
10 (6.2) being connected to the connecting
construction (3), characterized in that the rotor
(6.1) is connected to an end side of the roller
bearing (4), and the stator (6.2) is accommodated
by a housing (9) which can be fastened to the
15 connecting construction (3) via a bearing housing
(5).
2. The direct drive as claimed in claim 1,
characterized in that the bearing housing (5) is
held concentrically by an accommodation hole (3.1)
20 of the connecting construction (3).
3. The direct drive as claimed in claim 1,
characterized in that, in the radially inward
direction, the rotor (6.1) covers an end side of
25 the journal (2) at least partially.
4. The direct drive as claimed in claim 1,
characterized in that the roller bearing (4) is a
cylindrical roller bearing, a tapered roller
30 bearing or an angular contact ball bearing.
5. The direct drive as claimed in claim 1,
characterized in that an outer raceway of the
roller bearing (4) is formed by an outer ring
35 (4.1) or by the bearing housing (5).
6. The direct drive as claimed in claim 5,
characterized in that the outer raceway of the

roller bearing (4) is offset eccentrically with respect to an axis of the receptacle hole (3.1) of the connecting construction.

- 5 7. The direct drive as claimed in claim 1,
characterized in that a measuring apparatus for
determining the rotational angle of the cylinder
(1) is arranged on said cylinder (1) for achieving
10 synchronism with other cylinders of the printing
press.
8. The direct drive as claimed in claim 6,
characterized in that a sensor (13) is arranged in
the bearing housing (5), which sensor (13) is
15 operatively connected to an encoded measuring ring
(14) which is arranged on the journal (2) of the
cylinder (1), the sensor signals which are
detected being supplied to a control device for
adjusting advanced or retarded running.
- 20 9. The direct drive as claimed in claim 6,
characterized in that the measuring ring is formed
as a separate component or by an axial extension
of an inner ring (4.2) of the roller bearing (4).